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207159; and

d) the polypeptide encoded by the DNA vector insert of ATCC Deposit Nos. 207158 and

e) a polypeptide that is an allelic variant or splice variant of (a).

12. (amended). An isolated biologically active polypeptide encoded by [the] a nucleic acid molecule [of Claim 1] selected from the group consisting of:

a) the nucleic acid molecule as set forth in any of SEQ ID NOs: 1, 2, and 3;

b) a nucleic acid molecule encoding the polypeptide of any of SEQ ID NOs: 4, 5, and 6;

c) [biologically active] fragments of SEQ ID NO: 4;

d) an allelic variant or splice variant of any of (a) or (b);

e) a nucleic acid molecule of the DNA vector insert in ATCC Deposit No. 207158;

f) a nucleic acid molecule of the DNA vector insert in ATCC Deposit No. 207159;

g) a nucleic acid molecule encoding a polypeptide having one to fifty conservative amino acid substitutions as compared with the polypeptide of SEQ ID NO:4, [wherein the polypeptide encoded by said nucleic acid molecule is biologically active:] and

h) a nucleic acid molecule that is the complement of any of (a)-(g) above.

14. (amended). An isolated beta secretase polypeptide fragment of SEQ ID NO: 4 selected from the group consisting of: amino acids 45-501; amino acids 46-501; amino acids 46-460; amino acids 45-460; amino acids 1-460; amino acids 93-292; amino acids 93-293; amino acids 91-295; amino acids 90-295; amino acids 90-300; amino acids 62-420; amino acids 1-420; amino acids 62-460; amino acids 90-460; amino acids 62-501; amino acids 62-460; [amino acids 90-293; amino acids 90-300; amino acids 1-420]; amino acids 46-420; [amino acids 62-420]; amino acids 73-420; amino acids 83-420; amino acids 90-420; amino acids 62-417; amino acids 73-417; amino acids 83-417; amino acids 90-417; amino acids 62-410; amino acids 73-410; amino acids 83-410; amino acids 90-410; amino acids 62-402; amino acids 73-402; amino acids 83-402; and amino acids 90-402.

REMARKS

Claims 10, 11, 12, and 14 have been amended herein. Claim 10 has been amended to correct the dependency to a non-elected group by incorporating the language of claim 9 into the body of claim 1. Claim 11 has been amended to recite that all peptides and polypeptides are biologically active. Support